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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )

Greta ARNAUT, et al. )

Group Art Unit: 1638

Application Number: 10/040,906 )

Examiner: Anne R. KUBELIK, Ph.D.

Filed: January 9, 2002 )

For: NUCLEIC ACID MOLECULES ENCODING NOVEL BACILLUS  
THURINGIENSIS Cry2Ae INSECTICIDAL PROTEINS, PLANT CELLS, PLANT  
OR SEEDS COMPRISING THE NUCLEIC ACID MOLECULES AND METHODS  
OF USING SAME

**AMENDMENT AND REPLY TO OFFICE ACTION OF JULY 14, 2005**

**Mail Stop Amendment**

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Responsive to the Non-Final Office Action mailed July 14, 2005 (the "Office Action"), Applicants submit the following Amendment and Reply (the "Reply"). This Reply is provided in the following format:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper; and

**Remarks** begin on page 6 of this paper.